HONDA **Service Bulletin** **00-046**

Applies To: **1998–02 Accord L4 ULEV** – ALL
2000–02 Accord L4 SULEV – ALL

August 26, 2003

MIL Comes On With DTC P1164

(Supersedes 00-046, dated March 5, 2002)

SYMPTOM

The MIL comes on with DTC P1164 (air/fuel ratio sensor performance problem).

PROBABLE CAUSE

Specific driving conditions may cause the ECM/PCM to incorrectly interpret sensor inputs, setting DTC P1164.

CORRECTIVE ACTION

Do the DIAGNOSIS to determine the part number of the ECM/PCM. Then do REPAIR PROCEDURE A or REPAIR PROCEDURE B as indicated. As applicable, replace the air/fuel ratio sensor (sensor 1) and replace the ECM/PCM.

PARTS INFORMATION

1998–00 ULEV
Air/Fuel Ratio Sensor:
P/N 36531-PAA-L23, H/C 7373632

1998–99 A/T ULEV
Powertrain Control Module (PCM)
P/N 37820-PAA-305, H/C 6695720

2000 A/T ULEV
Powertrain Control Module (PCM)
P/N 37820-PAA-316, H/C 7253131

2000 M/T ULEV
Engine Control Module (ECM)
P/N 37820-PAA-317, H/C 7253149

2000 A/T SULEV
Powertrain Control Module (PCM)
P/N 37820-PAA-319, H/C 7463029

2001–02 A/T SULEV
Powertrain Control Module (PCM)
P/N 37820-PAA-L97, H/C 7313125

2001–02 A/T ULEV
Powertrain Control Module (PCM)
P/N 37820-PAA-L77, H/C 7198666

2001–02 M/T ULEV
Engine Control Module (ECM)
P/N 37820-PAA-L23, H/C 7198658

WARRANTY CLAIM INFORMATION

In warranty: The normal warranty applies.

OP#	Description	FRT
123503	Retrieve the DTC and clear codes with the HDS	0.3
121170	Replace the air/fuel ratio sensor	0.3
A	Inspect the ECM/PCM part number	0.1
B	Replace the ECM/PCM	0.4

Failed Part: P/N 37820-PAA-L74
H/C 6218853
Defect Code: 072
Contention Code: C99
Skill Level: Repair Technician

Out of warranty: Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Parts and Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

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Skill Level
R
REPAIR

CUSTOMER INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

DIAGNOSIS

Before beginning repair work, note the year, model, transmission type, and emissions group of the vehicle you are working on. To find the emissions type, compare the under-hood emissions control label to the text below.

1998–1999 ULEV

THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO ***1998 (1999)*** NEW ***ULEV*** PASSENGER CARS PROVIDED THAT THIS VEHICLE IS ONLY INTRODUCED INTO COMMERCE FOR SALE IN THE STATE OF CALIFORNIA

If you are working on 1998–99 A/T model, inspect the part number on the PCM in the vehicle.

Is the part number 37820-PAA-305?

YES - Go to REPAIR PROCEDURE A.
NO - Go to REPAIR PROCEDURE B.

2000–2002 ULEV

THIS VEHICLE CONFORMS TO U.S. EPA NLEV REGULATIONS APPLICABLE TO ***2000 (2001) (2002)*** MODEL YEAR NEW ***ULEV*** PASSENGER CARS, AND CALIFORNIA REGULATIONS APPLICABLE TO ***2000 (2001) (2002)*** MODEL YEAR NEW ULEV PASSENGER CARS

If you are working on a 2000–02 ULEV model, inspect the part number on the ECM/PCM in the vehicle.

On 2000 A/T models, is the part number 37820-PAA-306 or 37820-PAA-316?
YES - Go to REPAIR PROCEDURE A.
NO - Go to REPAIR PROCEDURE B.

On 2000 M/T models, is the part number 37820-PAA-307 or 37820-PAA-317?
YES - Go to REPAIR PROCEDURE A.
NO - Go to REPAIR PROCEDURE B.

On 2001–02 A/T models, is the part number 37820-PAA-L77?
YES - This service bulletin does not apply; continue troubleshooting.
NO - Go to REPAIR PROCEDURE B.

On 2001○ 02 M/T models, is the part number 37820-PAA-L23?
YES - This service bulletin does not apply; continue troubleshooting.
NO - Go to REPAIR PROCEDURE B.

2000 SULEV

THIS VEHICLE CONFORMS TO CALIFORNIA REGULATIONS APPLICABLE TO ***2000*** MODEL YEAR NEW ***SULEV*** PASSENGER CARS, THIS VEHICLE MAY ONLY BE INTRODUCED INTO COMMERCE FOR SALE IN CALIFORNIA

If you are working on a 2000 A/T model, inspect the part number on the PCM in the vehicle.

Is the part number 37820-PAA-319?
YES - This service bulletin does not apply; continue troubleshooting.
NO - Go to REPAIR PROCEDURE B.

2001–2002 SULEV

THIS VEHICLE CONFORMS TO CALIFORNIA REGULATIONS APPLICABLE TO ***2000*** MODEL YEAR NEW ***SULEV*** PASSENGER CARS, THIS VEHICLE MAY ONLY BE INTRODUCED INTO COMMERCE FOR SALE IN CALIFORNIA

If you are working on a 2001–02 A/T model, inspect the part number on the PCM in the vehicle.

Is the part number 37820-PAA-L97?
YES - This service bulletin does not apply; continue troubleshooting.
NO - Go to REPAIR PROCEDURE B.

REPAIR PROCEDURE A

Replace the air/fuel ratio sensor (sensor 1).

REPAIR PROCEDURE B

1. *1998–2000 ULEV models only* - Replace the air/fuel ratio sensor (sensor 1).
2. Replace the ECM/PCM. Refer to service bulletin 00-049, *Immobilizer System (Type 2).*
   - For 1998–99 models, you need all of the working ignition keys.
   - For 2000–02 models, download the immobilizer transponder codes to the HDS before replacing the ECM/PCM.